

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 83-19

WASTE DISCHARGE REQUIREMENTS FOR:

R & S VINEYARDS  
CUTTINGS WHARF ROAD, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter Board), finds that:

1. R & S Vineyards submitted a Report of Waste Discharge on July 20, 1982 for a proposed brandy distillery to be located south of the City of Napa, on Cuttings Wharf Road, in Napa County. Supplemental information was submitted on September 2, November 8, and December 21, 1982 and on March 17, 1983.
2. R & S Vineyards (hereinafter discharger) proposes to discharge the following waste:
  - a. Waste No. 1 will consist of sanitary sewage with an estimated flow of up to 970 gallons per day from 17 employees and a 3 bedroom residence. Unspecified future sources may contribute up to 100 gallons per day of the above total. This sanitary sewage will receive pretreatment in septic tanks and then be combined with the industrial waste for treatment and disposal.
  - b. Waste No. 2 will consist of stillage waste from the batch distillation of finished wine into brandy. The flow is initially expected to average 4,000 gallons per day from September through March. A planned future expansion would result in a flow increase to 8000 gallons per day during the same months. No crushing or fermenting will be accomplished at this facility. The industrial waste will be discharged to cooling trays for cooling and, if necessary, pH adjustment for precipitation of tartrate. It will then be combined with Waste No. 1, sanitary sewage, for treatment and disposal.
3. Wastes 1 and 2 will be combined and pumped to an aerated evaporation pond system consisting of two ponds, with a total combined area of approximately 2.8 acres and a combined total useable volume of 10.55 acre-ft. Disposal will be by means of evaporation from the pond surface only. All waste is proposed to be contained within the pond system at all times.
4. The Regional Board adopted a revised Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for the Napa Valley area.

5. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan include:
  - a. Domestic water supply
  - b. Agricultural water supply
6. The beneficial uses of the Napa River as set forth in the Basin Plan include:
  - a. Domestic water supply
  - b. Water contact recreation
  - c. Agricultural water supply for stock watering, irrigation and frost protection
  - d. Fish migration and habitat
  - e. Esthetic enjoyment
7. The county of Napa determined on the basis of an Initial Study that the project, as described, will have no substantial adverse effect on the environment, and therefore adopted a Negative Declaration regarding this project dated September 20, 1982 in accordance with the California Environmental Quality Act (Public Resources Code Section 2100 et. seq.).
8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that R & S Vineyards, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. PROHIBITION

1. There shall be no bypass or overflow of waste to waters of the State from the collection, treatment, storage or disposal pond system.
2. The waste shall not be allowed to escape from the discharger's treatment and disposal pond system into waters of the State via surface flow, seepage, resurfacing after percolation or airborne spray.
3. The waste shall not cause degradation of any ground water so as to impair the beneficial uses.
4. Waste discharged to the pond system shall not exceed 8750 gallons per day (30 day average) during any month. The total volume discharged from September through March shall not exceed one million gallons. The flow shall not exceed 830 gallons per day (30 day average) during April through August.

5. Wastewater ponding which could provide a breeding area for mosquitoes shall be prevented in the treatment and disposal pond system.

B. SPECIFICATIONS

1. Waste at the surface of all ponds shall meet the following quality limits at all times:

In any grab sample:

Dissolved Sulfide	0.1 mg/l maximum
Dissolved Oxygen	2.0 mg/l minimum
pH	6.0 minimum
	9.0 maximum

2. Neither the treatment nor disposal of waste shall create a nuisance as defined by California Water Code Section 13050 (m).
3. The public shall be effectively excluded from the waste treatment and disposal area.
4. Ponds shall be protected against erosion, washout, and flooding from a flood having a predicted frequency of once in 100 years.
5. A minimum freeboard of two feet shall be maintained in all ponds at all times. The discharger shall notify the Board by telephone, followed by written confirmation within 7 days, if this freeboard specification is violated. Written confirmation shall discuss the reasons for non-compliance as well as contain specific corrective measures and a time schedule for implementation. Failure to provide the above information shall be considered negligence.

C. PROVISIONS

1. By October 1 of each year the Discharger shall submit a report to the Board containing the depth of freeboard in each pond, and an assessment of the ability to maintain the minimum freeboard with anticipated rains and waste inflow.
2. The Discharger shall comply with the Self-Monitoring Program as ordered by the Executive Officer.
3. All equipment including pumps, piping and valves, storage ponds, etc. which may at any time contain wastes shall be adequately and clearly identified with warning signs and Discharger shall make all necessary provisions, in addition, to inform the public that the liquid contained therein is wastewater and is unfit for human consumption.
4. The Discharger shall maintain in good working order and operate, as efficiently as possible, any facility or control system installed to achieve compliance with the waste discharge requirements.

5. The Discharger shall file with this Board a report of waste discharger at least 120 days of any material change or proposed change in the character, treatment, or volume of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, or ownership of the property. Specifically a new report of waste discharge shall be filed prior to implementation of any expansion which would result in increased wastewater flow beyond that contained in Prohibition A.4 of this Order.
6. The Discharger shall permit the Board or its authorized representatives in accordance with California Water Code Section 13267(c):
  - a. Entry upon premises in which an effluent source is located or in which any required records are kept.
  - b. Access to copy any records required to be kept under terms and conditions of this Order.
  - c. Inspection of any monitoring equipment or method required by this Order.
  - d. Sampling of any stored or discharged waste.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on June 23, 1983.

FRED H. DIERKER  
Executive Officer

Attachment:  
Final Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

F I N A L

SELF-MONITORING PROGRAM  
FOR

R and S Vineyards

Cuttings Wharf Road

Napa County

ORDER NO. 83-19

CONSISTS OF

PART A

## PART A

### I. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383 and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board.
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

### II. DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF SAMPLING, ANALYSES AND OBSERVATIONS

#### A. Pond Influent

Monthly, determine average daily flow, in gallons per day, of wastewater entering the treatment pond system.

#### B. Treatment Ponds

At any point on each pond's surface, representative of the wastewater:

1. Monthly, determine dissolved oxygen (D.O.) concentration, mg/l. If D.O. is less than 2.0 mg/l, sample for dissolved sulfides.
2. Monthly, determine pH for each pond.
3. Weekly for each pond, determine pond freeboard: the depth, in inches, from the water surface to the lowest point in pond perimeter dike.
4. Weekly, perform the following standard observations along perimeter of each pond:
  - a. Evidence of leaching liquid from pond perimeter dike and estimated size of affected area. (Show affected area on a sketch).
  - b. Odor: presence or absence characterization, source and distance of travel.
  - c. Estimated number of waterfowl and other water-associated birds in the ponds' vicinity.

### III. REPORTS TO BE FILED WITH THE REGIONAL BOARD

#### 1. Violations of Requirements:

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) accidents caused by human error or negligence, or
- (c) other causes such as acts of nature,

the discharger shall notify the Regional Board office by telephone at (415) 464-1255 as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

#### 2. Bypass Reports:

Bypass reporting shall be an integral part of regular monitoring program reporting and a report on bypassing of untreated waste or bypassing of ponded water shall be made which will include cause, time and date, duration and estimated volume of waste bypassed, method used in estimating volume, and persons (including Napa County Health) notified, for planned and/or unplanned bypasses. Notification to the Regional Board shall be made immediately by phone, followed by written correspondence within 15 days if a bypass occurs.

The discharger shall file a written technical report at least 15 days prior to advertising for bid on any construction project which would cause or aggravate the discharge of waste in violation of requirements; said report shall describe the nature, costs, and scheduling of all action necessary to preclude such discharge.

#### 3. Self-Monitoring Reports

Written reports shall be filed regularly for each calendar quarter and submitted by the fifteenth day of the following month. The reports shall be comprised of the following:

a. Letter of Transmittal:

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past months and actions taken or planned for correcting violations, such as operation modifications and/or pond facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed by the facility owner. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Data Results

All results observed or analyzed in IIA-B, including dates and times of sampling and/or observations.

c. Map:

A map shall accompany the report showing sampling and observation station locations.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer

Effective Date June 30, 1983